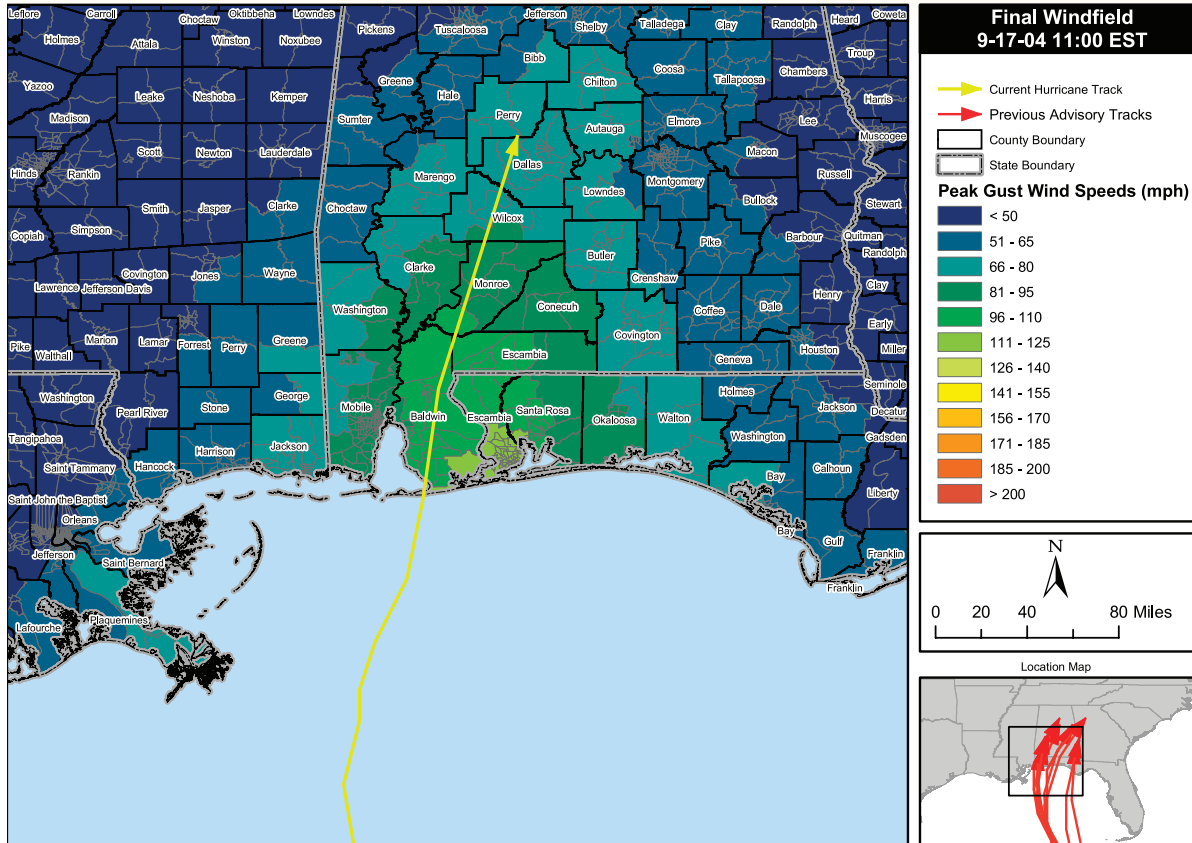


Estimated Peak Wind Gusts in Hurricane Ivan



DATA AND ANALYSIS DISPLAYED:

- Peak Gust Wind Speeds (mph) – Final Windfield Hurricane Ivan track
- Includes anemometer data recorded during landfall, as well as surface roughness factors based on GIS layers of tree coverage and land use.

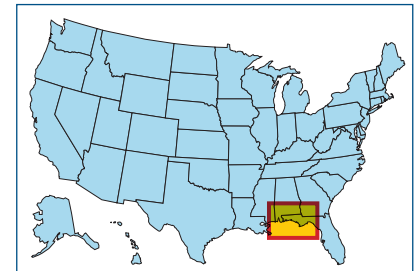
POTENTIAL USES

Pre-Disaster:

- Scenario development for hurricane preparedness, training, and exercises.

Post-Disaster:

- Comparison of actual 3 sec peak gust windspeeds to building code design windspeeds.
- Post-landfall analyses of counties, population, essential facilities and infrastructure that have been impacted by hurricane wind.
- Incorporation of demographic data to identify the population most at risk from hurricane winds, including low-income, elderly, and other special needs groups.
- Rapid needs assessment.
- Response and recovery planning, including identification and analysis of areas most impacted by hurricane winds.



FEMA